

FIG. 1

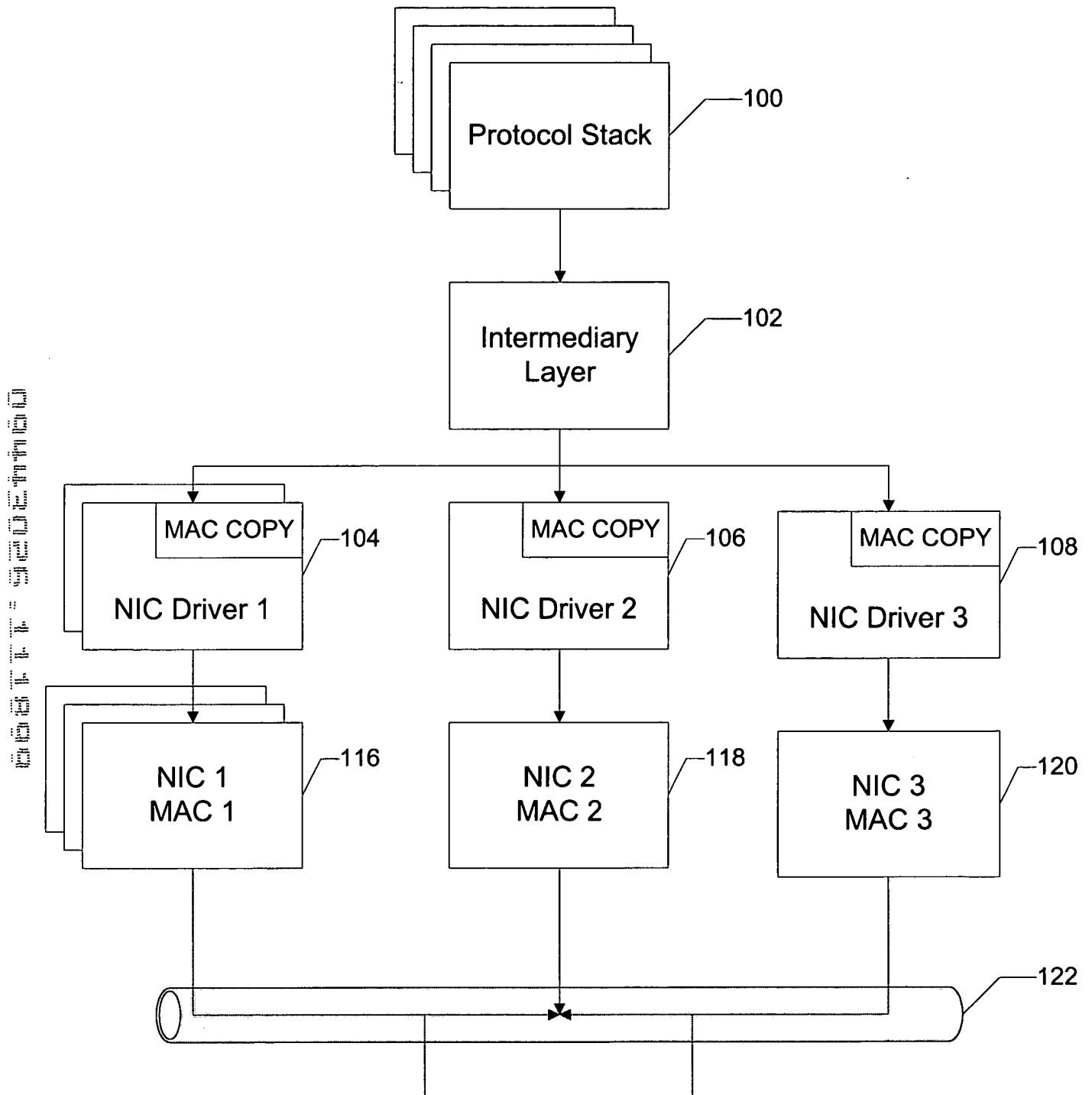


FIG. 2

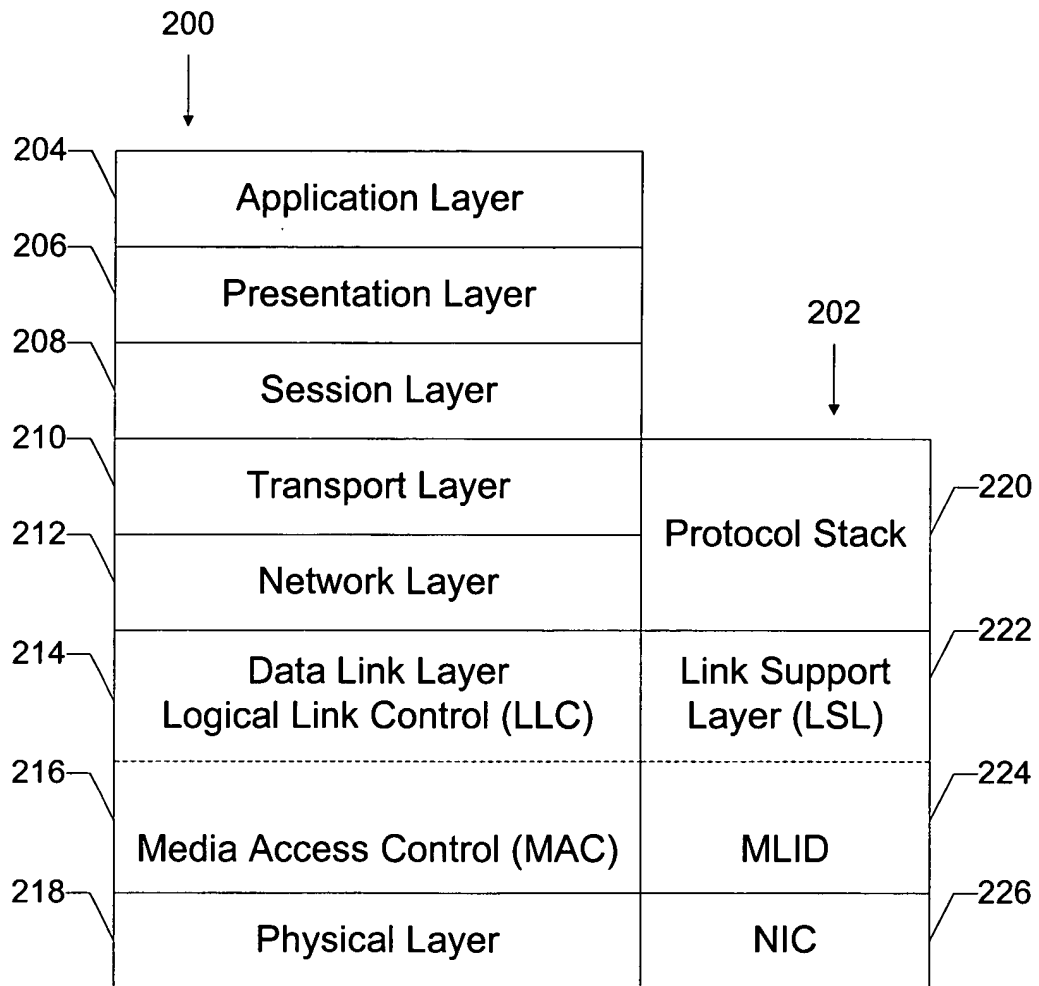


FIG. 3

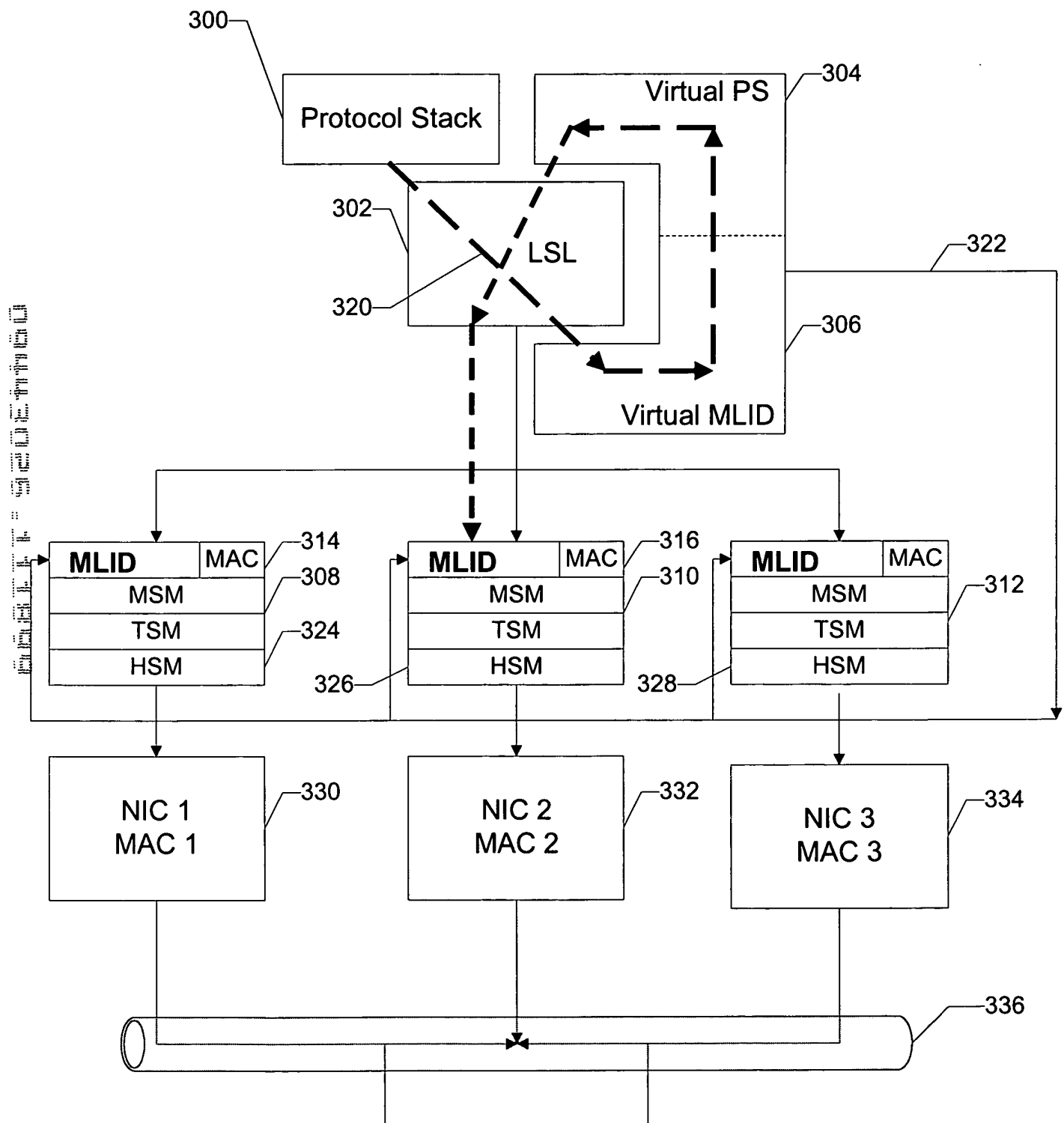


FIG. 4

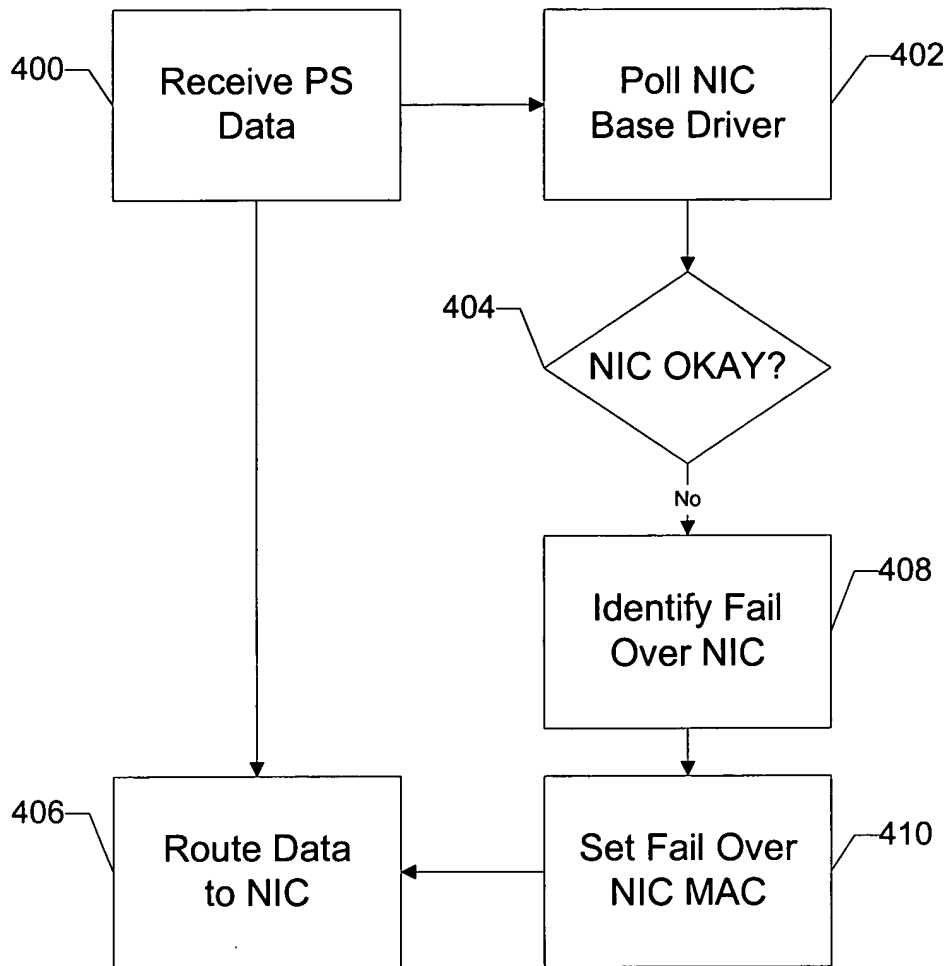
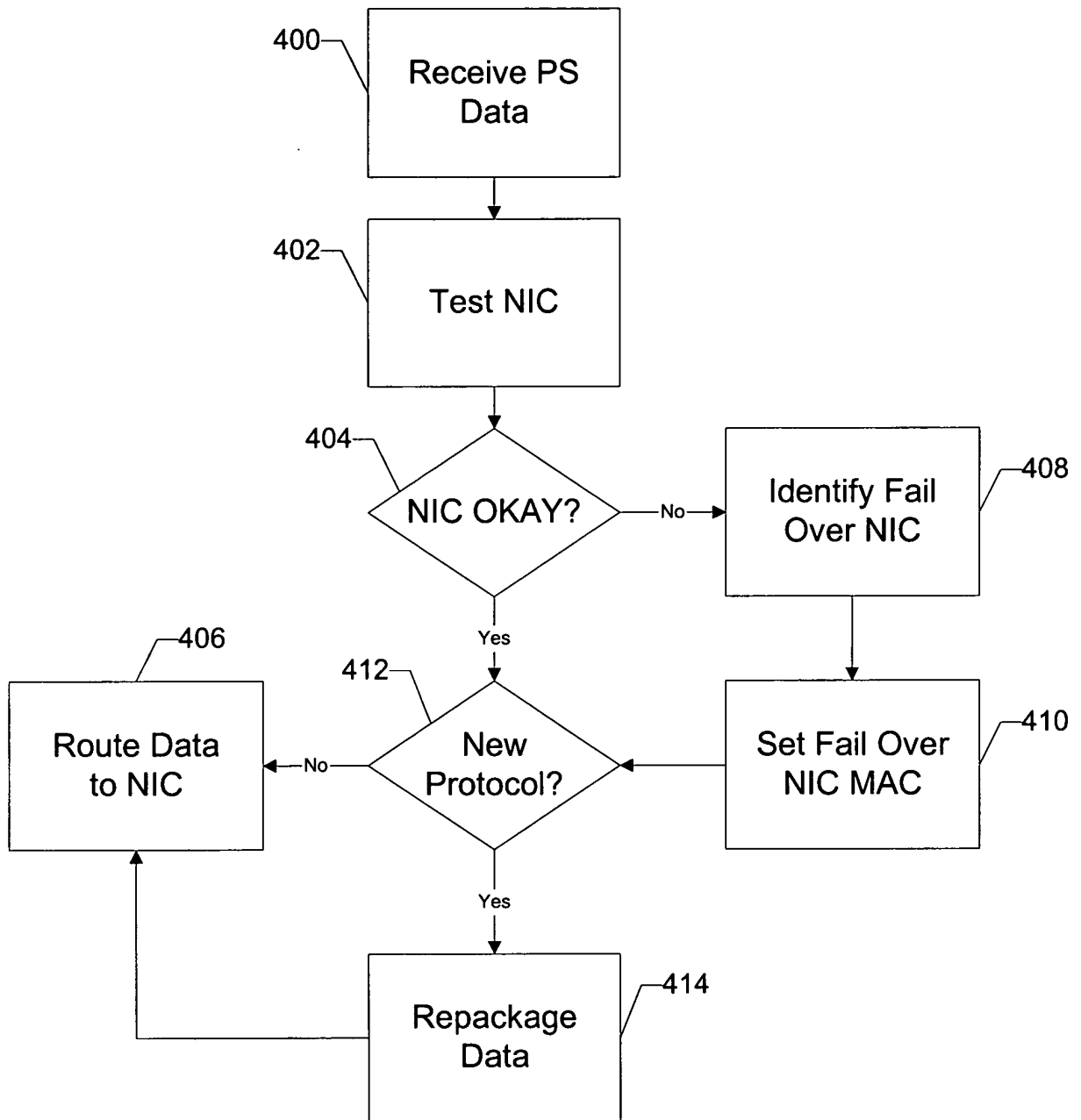


FIG. 5



## FIG. 6A

### Function IdentifyYourself()

Arguments: Base Driver Identifier

VendorID: Vendor ID value of Intermediate driver

CommRevision: Intermediate driver communication interface  
revision number

Actions: Send control request to cause driver self-identification

Returns: CommRevision: driver communication interface revision number

VendorID: Vendor ID value of base driver

ResponseCode: Result code of any command to base driver.

CopyrightString: for verifying base driver authorization

### Function ReportNodeAddress()

Arguments: Base Driver Identifier

VendorID: Vendor ID value of Intermediate driver

CommRevision: Intermediate driver communication interface  
revision number

Actions: Send control request to cause driver to report its MAC address.

Returns: MAC address

### Function UpdateNodeAddress()

Arguments: Base Driver Identifier

VendorID: Vendor ID value of Intermediate driver

CommRevision: Intermediate driver communication interface  
revision number

MAC Address: New MAC address to be used by NIC.

Actions: Send control request to cause driver to replace stored MAC

Returns: Success/Failure

### Function ReportStatus()

Arguments: Base Driver Identifier

VendorID: Vendor ID value of Intermediate driver

CommRevision: Intermediate driver communication interface  
revision number

Actions: Send control request to cause driver to report status

Returns: Link change

Line speed

Duplex

Hardware failure condition

PCI event

# FIG. 6B

## Function ReportCapabilities()

526 Arguments: Base Driver Identifier  
VendorID: Vendor ID value of Intermediate driver  
CommRevision: Intermediate driver communication interface revision number

Actions: Send control request to cause driver to report capabilities

Returns: Array containing identifiers for supported protocols, e.g.,

- 528 Out of Band
- Virtual LAN
- 530 IP Encryption
- 532

## Function ReportVlanCapabilities()

534 Arguments: Base Driver Identifier  
VendorID: Vendor ID value of Intermediate driver  
CommRevision: Intermediate driver communication interface revision number

Actions: Send control request to cause driver to report VLAN abilities

Returns: Array containing identifiers for supported VLAN protocols

- 536 Operating Mode
- 538 RX Filtering
- 540

## Function VlanControl()

542 Arguments: Base Driver Identifier  
VendorID: Vendor ID value of Intermediate driver  
CommRevision: Intermediate driver communication interface revision number

544 VLAN mode

Actions: Send control request to cause driver to switch VLAN modes

Returns: Success/Failure

## Function SetControl()

546 Arguments: Base Driver Identifier  
VendorID: Vendor ID value of Intermediate driver  
CommRevision: Intermediate driver communication interface revision number

548 Mode

Actions: Send control request to cause driver to switch to Mode

Returns: Success/Failure

## Function Disconnect()

550 Arguments: Base Driver Identifier  
VendorID: Vendor ID value of Intermediate driver  
CommRevision: Intermediate driver communication interface revision number

Actions: Send control request to notify driver of communication end

Returns: Command receipt acknowledgment

# FIG. 7

